



PTO/SB/08A (10-01)

Approved for use through 10/31/2002 OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| Sheet | 1 | of | 9 | Application Number | 10/620,256 |
| | | | | Filing Date | July 15, 2003 |
| | | | | First Named Inventor | Orla M. Conneely |
| | | | | Art Unit | N/A |
| | | | | Examiner Name | Not Yet Assigned |
| | | | | Attorney Docket Number | HO-P02682US1 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| ✓ AR | AA | US - 4289690 | Sept. 1981 | Pestka et al. | |
| | AB | US - 4394443 | July 1983 | Weisman et al. | |
| | AC | US - 4668771 | May 1987 | Kawakami et al. | |
| | AD | US - 4726948 | Feb. 1988 | Prieels et al. | |
| ✓ | AE | US - 4800159 | Jan 1989 | Mullis et al. | |
| | AF | US - 5571691 | Nov. 1996 | Conneely et al. | Duplicate |
| | AG | US - 6100054 | Aug. 2000 | Conneely et al. | Duplicate |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|---|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | |
| ✓ AR | BA | JP 6016669 | Aug. 1985 | — | T ⁶ |
| | BB | WO 07838 | Dec. 1987 | — | — |

*EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609. DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT

¹Applicant's unique citation designation number (optional). ²See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|-----------------------|--|-----------------|----------|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T ² |
| ✓ AR | CA | Anderson, "Structure of human lactoferrin at 3.2-A resolution," Proc. Nat'l Acad. Sci. USA, 84:1769-1773 (1987). | | | |
| | CB | Ambruso and Johnston, "Lactoferrin enhances hydroxyl radical production by human neutrophils, neutrophil particulate fractions, and an enzymatic generating system," J. Clin. Invest., 67:352-360 (1987). | | | |
| | CC | Broxmeyer, "Potential therapeutic usefulness of lactoferrin in leukemia," Nestle Research News, 93 (1984/85). | | | |
| | CD | Metz-Boutigue, et al., "Human lactotransferrin: amino acid sequence and structural comparisons with other transferrins," Eur. J. Biochem., 145:659-676 (1984). | | | |
| | CE | Montreuil et al., "Human lactotransferrin : structure and function," Proteins, Elsevier Sci. Publs., pp. 25-38 (1985). | | | |
| | CF | Pentecost and Teng, "Lactotransferrin is the major estrogen inducible protein of mouse uterine secretions," J. Biol., Chem., 262U(21):10134-10139 (1987). | | | |
| | CG | Rado, et al., "Isolation of lactoferrin cDNA from a human myeloid library and expression of | | | |
| Examiner Signature | Chloe Robinson | | Date Considered | 10/14/05 | |



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

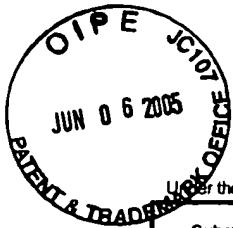
| | | | | | |
|-------------------------------|---|----|---|--------------------------|------------------|
| Substitute for form 1449A/PTO | | | | Complete If Known | |
| | | | | Application Number | 10/620,256 |
| | | | | Filing Date | July 15, 2003 |
| | | | | First Named Inventor | Orla M. Conneely |
| | | | | Art Unit | N/A |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 2 | of | 2 | Attorney Docket Number | HO-P02682US1 |

| | |
|-----------|--|
| <i>CH</i> | mRNA during normal and leukemic myelopoiesis", Blood, 70(4):989-993 (1987). |
| CH | Reiter, "Protective proteins in milk--biological significance and exploitation," Int'l Dairy Fed., Bulletin No. 191 (1985). |
| CI | Sawatzki, "The role of iron-binding proteins in bacterial infections," Iron Transport in Microbes, Plants and Animals, edited by G. Winkelmann et al., pp. 478-488. |
| CJ | Spik, et al., "Characterization and properties of the human and bovine lactotransferrins extracted from the faeces of newborn infants," Acta Paediatr Scand., 71:979-985 (1982). |
| CK | Tenovuo et al., "Antimicrobial factors in whole saliva of human infants," Infection and Immunity, 51(1):49-53 (1986). |
| CL | Theil and Aisen, "The storage and transport of iron in animal cells", Iron Transport in Microbes, Plants and Animals, edited by G. Winkelmann et al., pp. 491-520 (1987). |
| CM | Wang, et al. 1984, Comp. Biochem. Physiol., 78B(3):575-580 (abstract). |
| CN | Yahubovskaya et al. 1986, Vopr. Med. Khim 32(6):75-70 (abstract). |
| CO | Zang, et al. 1984, Proc. Natl. and Sci. 81:2752-2756. |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

| | | | |
|--------------------|---------------------|-----------------|----------|
| Examiner Signature | <i>Dope Johnson</i> | Date Considered | 10/14/05 |
|--------------------|---------------------|-----------------|----------|



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Complete If Known

| | |
|------------------------|------------------|
| Application Number | 10/620,256 |
| Filing Date | July 15, 2003 |
| First Named Inventor | Orla M. Conneely |
| Art Unit | N/A |
| Examiner Name | Not Yet Assigned |
| Attorney Docket Number | HO-P02682US1 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|--|
| | | Number-Kind Code ² (if known) | | | |
| ✓ | AA | US-5,198,419 | 03-30-1993 | AGENNIX INCORPORATED | |
| | AB | US-5,955,316 | 09-21-1999 | AGENNIX INCORPORATED | |
| | AC | US-5,571,697 | 11-05-1996 | AGENNIX INCORPORATED | |
| | AD | US-20030105006 | 06-05-2003 | AGENNIX INCORPORATED | |
| | AE | US-20030190303 | 10-09-2003 | AGENNIX INCORPORATED | |
| | AF | US-20040009895 | 01-15-2004 | AGENNIX INCORPORATED | |
| | AG | US-SN 10/733,621 | | AGENNIX INCORPORATED | |
| | AH | US-20050075277 | 04-07-2005 | AGENNIX INCORPORATED | |
| | AI | US-SN 10/732,429 | | AGENNIX INCORPORATED | |
| | AJ | US-20040009896 | 01-15-2004 | AGENNIX INCORPORATED | |
| | AK | US-6,635,447 | 10-21-2003 | BAYLOR COLLEGE OF MEDICINE | |
| | AL | US-6,111,081 | 08-29-2000 | AGENNIX INCORPORATED | |
| | AM | US-5,766,939 | 06-16-1998 | AGENNIX INCORPORATED | |
| | AN | US-6,080,559 | 06-27-2000 | AGENNIX INCORPORATED | |
| | AO | US-4,977,137 | 06-28-1994 | AGENNIX INCORPORATED | |
| | AP | US-6,100,054 | 08-08-2000 | AGENNIX INCORPORATED | |
| | AQ | US-5,571,896 | 11-05-1996 | AGENNIX INCORPORATED | |
| | AR | US-6,399,570 | 01-04-2002 | AGENNIX INCORPORATED | |
| | AS | US-20040142037 | 07-22-2004 | AGENNIX INCORPORATED | |
| | AT | US-SN 10/728,275 | | AGENNIX INCORPORATED | |
| | AU | US-SN 10/844,865 | | AGENNIX INCORPORATED | |
| | AV | US-SN 10/862,213 | | AGENNIX INCORPORATED | |
| | AW | US-SN 10/728,521 | | AGENNIX INCORPORATED | |
| | AX | US-20040082504 | 04-29-2004 | AGENNIX INCORPORATED | |
| | AY | US-5,571,691 | 11-05-1996 | AGENNIX INCORPORATED | |
| | AZ | US-5,849,881 | 12-15-1998 | AGENNIX INCORPORATED | |
| ✓ | AA1 | US-6,228,614 | 05-08-2001 | AGENNIX INCORPORATED | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ² |
|--------------------|-----------------------|---|--------------------------------|--|--|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| ✓ | BA | WO-0203910-A2 | 01-17-2002 | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

| | | | |
|-------------------|-----------------------|--|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | | |

| | | | |
|--------------------|----------------------------|-----------------|----------|
| Examiner Signature | <i>Christopher Johnson</i> | Date Considered | 10/17/05 |
|--------------------|----------------------------|-----------------|----------|

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|-------------------------------|---|----|---|--------------------------|------------------|
| Substitute for form 1449A/PTO | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/620,256 |
| | | | | Filing Date | July 15, 2003 |
| | | | | First Named Inventor | Orla M. Conneely |
| | | | | Art Unit | N/A |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 2 | of | 2 | Attorney Docket Number | HO-P02682US1 |

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached.

| | | | |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 10/16/05 |
|--------------------|---|-----------------|----------|